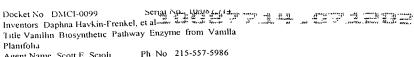
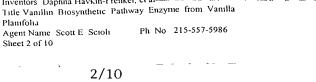
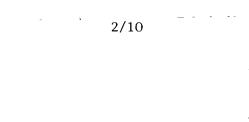
Plantfolia Agent Name Scott E Scioli Sheet 1 of 10

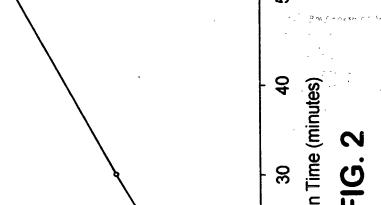
Ph No 215-557-5986

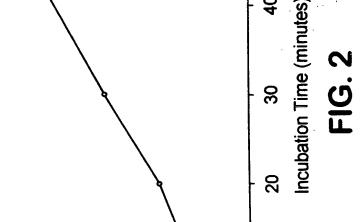


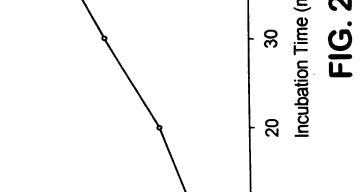






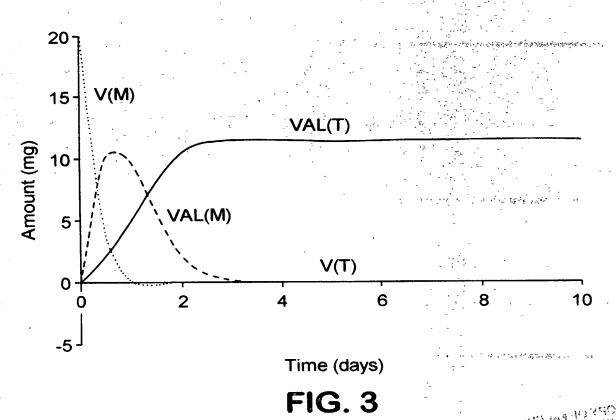






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Inventors Daphna Havkin-Frenkel, et al Title Vanillin Biosynthetic Pathway Enzyme from Vanilla Planifolia Ph No : 215-557-5986 Agent Name Scott E Scioli Sheet 3 of 10

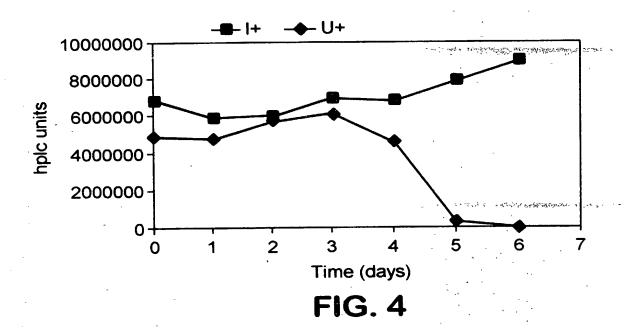


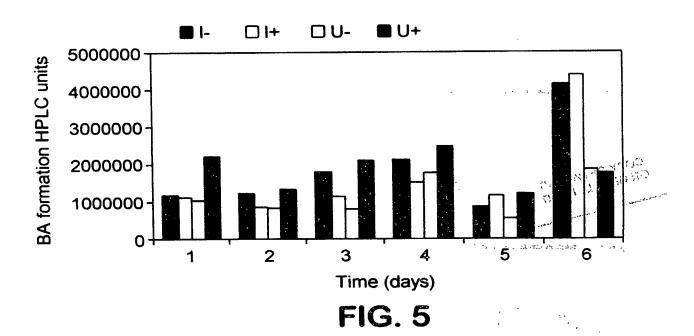
Inventors Daphna Havkin-Frenkel, et al Title Vanillin Biosynthetic Pathway Enzyme from Vanilla Planifolia

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Agent Name Scott E Scioli Sheet 4 of 10

Ph. No . 215-557-5986



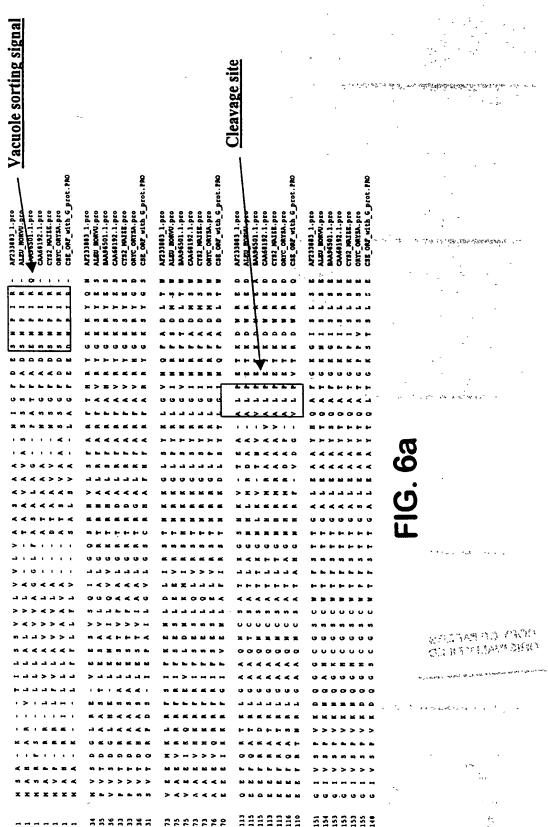


Inventors Daphna Havkm-Frenkel, et al

Title Vanillin Biosynthetic Pathway Enzyme from Vanilla
Planifolia

Agent Name Scott E Scioli Sheet 5 of 10

Ph No · 215-557-5986



Title Vanillin Biosynthetic Pathway Enzyme from Vanilla Planifolia Agent Name Scott E Scioli Sheet 6 of 10 Ph No 215-557-5986 6/10 His active site Vanilla Cysteine (with solid deep red) residues that match the Consensus exectly **VCysProt** 271 273 273 275 268 268 Asn active site Cys active site

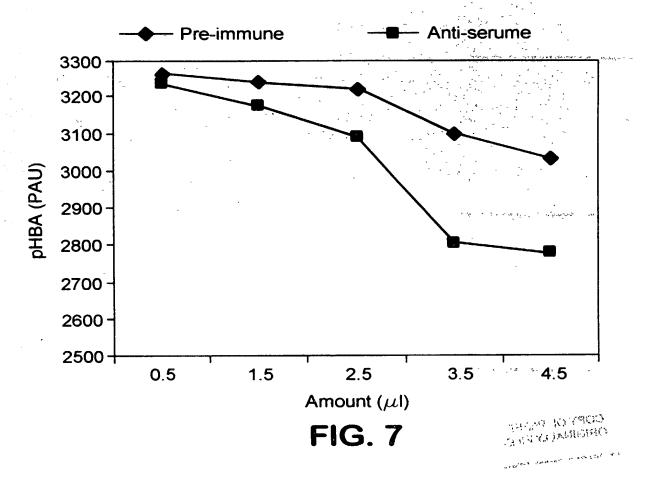
Inventors Daphna Havkin-Frenkel, et al

Inventors Daplina Havkin-Frenkel, et al

Intel Vanillin Biosynthetic Pathway Enzyme from Vanilla
Planifolia

Agent Name Scott E Scioli Ph No.. 215-557-5986

Sheet 7 of 10



Docket No DMCI-0099 Serial No HUUN A / Ha man and an analysis of the Vanilla Plantfolia
Regent Name. Scott E Scioli Ph No 215-557-5986
Sheet 8 of 10

8/10

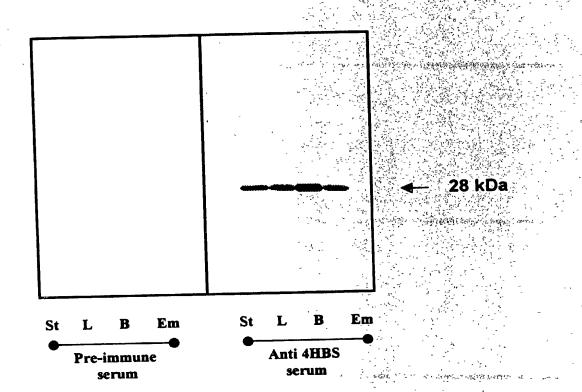


FIG. 8

State And Andrews

Inventors Daphna Havkin-Frenkel, et al Tribunal Plantfolia

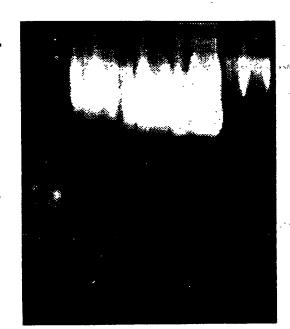
Agent Name Scott E Scioli Sheet 9 of 10

Ph No · 215-557-5986

9/10

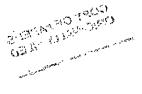
Protease - Collagenase
Type III

Protease - Chymotrypsin 37 kDa →



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FIG. 9



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Title Vanillin Biosynthetic Pathway Enzyme from Vanilla Planifolia

Agent Name Scott E Scioli

Ph No 215-557-5986

Sheet 10 of 10



